

# Converting Colors

CIELCh(88, 24.562, 167.859)

Have a look what the booklet for  
CIELCh(88, 24.562, 167.859)  
contains.

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# **Color**

**CIELCh(88, 24.736, 167.309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADEAD2
RGB	173, 234, 210
RGB Percent	68%, 92%, 82%
CMY	0.3232, 0.0840, 0.1781
CMYK	0.26, 0.00, 0.10, 0.08
HSL	156°, 59%, 80%
HSV	156°, 26%, 92%
XYZ	58.0188, 72.0653, 71.5466
YIQ	213.0250, -28.6520, -20.3960

# Conversions

## Conversions Part 2

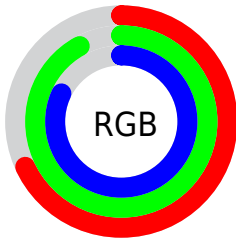
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 211, 234
Decimal	11397842
CIE Lab	88.00, -24.13, 5.43
CIE LCh	88, 24.736, 167.309
Yxy	72.0653, 0.2877, 0.3574
Android (android.graphics.Color)	4289587922 (0xFFAED2)
YUV	213.0250, -1.4913, -35.1019
Hunter-Lab	84.8913, -26.5641, 9.4541

# Details

The CIELCh color **88, 24.736, 167.309** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 26.090, 352.474**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **68, 24.585, 167.847** is the 20% darker color. If you saturate the color by 10%, you get **87, 33.755, 166.151**, and if you desaturate by 10%, it is **90, 15.390, 168.360**.

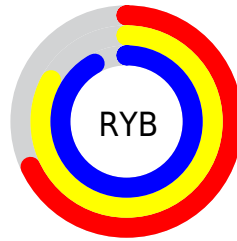
# Distribution



Red (68%)

Green (92%)

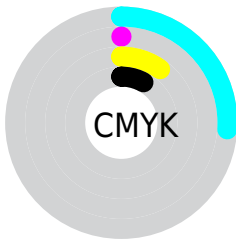
Blue (82%)



Red (68%)

Yellow (83%)

Blue (92%)

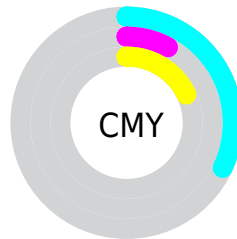


Cyan (26%)

Magenta (0%)

Yellow (10%)

Black (8%)



Cyan (32%)

Magenta (8%)

Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 24.736, 167.309 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 88, 24.736, 167.309 by changing the saturation by 10% instead.




 88, 24.736,  
167.309

 88, 24.736,  
167.309


 100, 24.736,  
167.309

 78, 24.736,  
167.309

 68, 24.736,  
167.309

 58, 24.736,  
167.309

 48, 24.736,  
167.309

 38, 24.736,  
167.309

 28, 24.736,  
167.309

 18, 24.736,


167.309


 8, 24.736, 167.309

 0, 24.736, 167.309

 88, 24.736,  
167.309

 88, 24.736,  
167.309

 87, 33.755,  
166.151

 90, 15.390,  
168.360


 85, 42.282,  
164.866

 91, 5.857, 169.363


 84, 50.157,  
163.426

 93, 3.738, 350.020

 84, 57.234,  
161.804

 95, 10.064,  
339.443

 83, 63.412,

 95, 13.380,  
324.883

159.980

■ 83, 68.656,  
157.941

■ 82, 73.025,  
155.700

■ 82, 74.585,  
154.821

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



88, 24.736, 167.309



77, 26.090, 352.474

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 24.736, 167.309



88, 24.736, 217.309



88, 24.736, 347.309



88, 24.736, 37.309

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



88, 24.737, 167.307



98, 8.231, 169.166



89, 34.351, 131.301



52, 5.848, 169.015



0, 0.000, 0.000



53, 0.007, 296.813



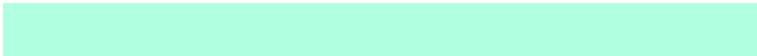


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 24.737, 167.307



94, 31.345, 166.739



87, 18.245, 208.392



48, 5.461, 169.023



65, 61.171, 155.230



19, 24.446, 159.157



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77, 26.090, 352.474



80, 33.407, 353.113



78, 21.925, 29.596



46, 5.569, 350.638



38, 65.649, 12.225

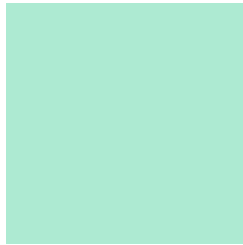


7, 27.936, 3.333



# Previews

## White Background



This preview shows how the CIELCh color 88, 24.736, 167.309 looks on a white background.

## Color Contrast Check

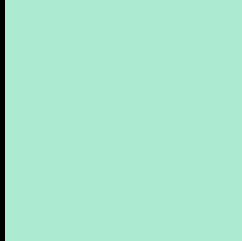
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 88, 24.736, 167.309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

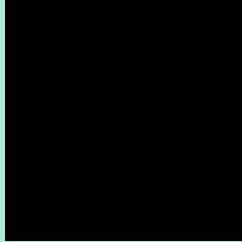
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

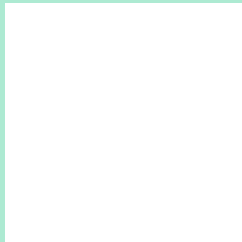
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 88, 24.736, 167.309**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 24.736, 167.309.

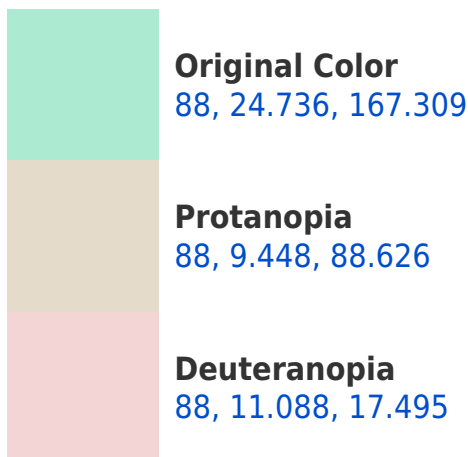


This preview shows how white text looks on a background with the CIELCh color 88, 24.736, 167.309.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





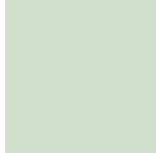


**Tritanopia**  
88, 17.898, 230.418

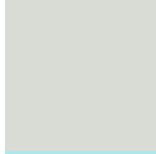
# Trichromacy



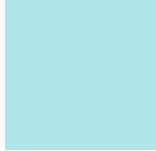
**Original Color**  
88, 24.736, 167.309



**Protanomaly**  
88, 11.538, 139.668

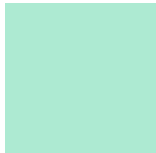


**Deuteranomaly**  
87, 4.316, 124.425

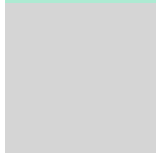


**Tritanomaly**  
88, 17.615, 203.404

# Monochromacy



**Original Color**  
88, 24.736, 167.309



**Achromatopsia**  
85, 0.010, 296.813



**Achromatomaly**  
86, 8.945, 170.846

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 24.736, 167.309 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(173, 234, 210)` looks like.

```
.text, #text, p{  
    color:rgb(173, 234, 210)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(173, 234, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 234, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 24.736, 167.309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 234, 210) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(173, 234, 210) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(173, 234, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 234, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 234, 210);  
box-shadow:4px 4px 4px 4px rgb(173, 234,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 24.736, 167.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 234, 210) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(173,  
234, 210) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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